Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of claims in this application.

Listing of Claims

Claims 1-24 (Canceled)

Claim 25 (Previously presented) A method for producing a fine chemical, comprising culturing a cell containing a vector comprising the nucleotide sequence of SEQ ID NO:1 such that the fine chemical is produced.

Claim 26 (Original) The method of claim 25, wherein said method further comprises the step of recovering the fine chemical from said culture.

Claim 27 (Previously presented) The method of claim 25, wherein said method further comprises the step of transfecting said cell with a vector comprising the nucleotide sequence of SEQ ID NO:1 to result in a cell containing said vector.

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Claim 28 (Original) The method of claim 25, wherein said cell belongs to the genus *Corynebacterium* or *Brevibacterium.*

Claim 29 (Currently amended) The method of claim 25, wherein said cell is selected from the group consisting of: *Corynebacterium glutamicum, Corynebacterium herculis,* ~~*Corynebacterium, lilium,*~~ *Corynebacterium acetoacidophilum, Corynebacterium acetoglutamicum, Corynebacterium acetophilum, Corynebacterium ammoniagenes, Corynebacterium fujiokense, Corynebacterium nitrilophilus,* ~~*Brevibacterium ammoniagenes,*~~ *Brevibacterium butanicum,* ~~*Brevibacterium divaricatum,*~~ ~~*Brevibacterium flavum,*~~ *Brevibacterium healii, Brevibacterium ketoglutamicum, Brevibacterium ketosoreductum,* ~~*Brevibacterium lactofermentum,*~~ *Brevibacterium linens,* ~~*Brevibacterium paraffinolyticum,*~~ and those strains set forth in Table 3.

Claim 30 (Original) The method of claim 25, wherein expression of the nucleic acid molecule from said vector results in modulation of production of said fine chemical.

Claim 31 (Original) The method of claim 25, wherein said fine chemical is selected from the group consisting of: organic acids, proteinogenic and nonproteinogenic amino acids, purine and pyrimidine bases, nucleosides, nucleotides, lipids, saturated and unsaturated fatty acids, diols, carbohydrates, aromatic compounds, vitamins, cofactors, polyketides, and enzymes.

Claim 32 (Original) The method of claim 25, wherein said fine chemical is an amino acid.

Claim 33 (Original) The method of claim 32, wherein said amino acid is drawn from the group consisting of: lysine, glutamate, glutamine, alanine, aspartate, glycine, serine, threonine, methionine, cysteine, valine, leucine, isoleucine, arginine, proline, histidine, tyrosine, phenylalanine, and tryptophan.

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Claim 34 (Currently amended) A method for producing a fine chemical, comprising culturing a cell whose genomic DNA has been altered by the inclusion of an isolated nucleic acid molecule selected from the group consisting of:

a) a nucleic acid molecule comprising a nucleotide sequence which is at least ~~60~~90% identical to the nucleotide sequence of SEQ ID NO:1 and encodes a polypeptide which has glucose resistance amylase regulator activity~~, or a complement thereof~~;

b) a nucleic acid molecule comprising a fragment of at least 30 nucleotides of a nucleic acid comprising the nucleotide sequence of SEQ ID NO:1 and encodes a polypeptide which has glucose resistance amylase regulator activity~~, or a complement thereof~~;

c) a nucleic acid molecule which encodes a polypeptide comprising an amino acid sequence at least ~~about 60~~90% identical to the amino acid sequence of SEQ ID NO:2 and has glucose resistance amylase regulator activity; and

d) a nucleic acid molecule which encodes a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, wherein the fragment comprises at least 10 contiguous amino acid residues of the amino acid sequence of SEQ ID NO:2 and has glucose resistance amylase regulator activity.

Claims 35-38 (Canceled)